



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/606,202	
			Filing Date	June 24, 2003	
			First Named Inventor	Andrew D. Firlik	
			Art Unit	3762	
Examiner Name	R. D. Bradford				
Sheet	1	of	2	Attorney Docket Number	337348046US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
R.B.		2003-0187490	10-02-2003	Bradford Gliner	
		2003-0149457	08-07-2003	Tcheng et al.	
		2002-0087201	07-04-2002	Andrew Firlik	
		4,431,000	12-14-1984	Butler et al.	
		5,054,906	10-08-1991	WILLIAM G. LYONS	
		5,263,967	11-23-1993	WILLIAM G. LYONS	
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		6,622,048	09-16-2003	Carla Mann	
		6,687,525	05-09-2002	Rodolfo Linas	
R.B.		6,690,974	06-20-2002	Archer	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
R.B.		WO-WO 03/043690	05-30-2003	Vertis Neuroscience, Inc.	
		WO-WO 03/082402	03-26-2003	Vertis Neuroscience, Inc.	
R.B.		EP-EP 0 998 958-A2	10-05-2000	Medtronic, Inc.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
R.B.		BENABID, A.L. et al, "Chronic electrical stimulation of the ventralis intermedius nucleus of the thalamus as a treatment of movement disorders," J. Neurosurg., April 1997, 86(4); 737; http://www.ncbi.nlm.nih.gov ; [accessed 11/18/2003]			
		International Search Report for PCT/US03/39077; May 2004; Applicant: Northstar Neuroscience, Inc. (3 pgs)			
		International Search Report for PCT/US03/03678; July 2003; Applicant: Northstar Neuroscience, Inc. (4 pgs)			
		International Search Report for PCT/US03/39078; May 2004; Applicant: Northstar Neuroscience, Inc. (5 pgs)			
		International Search Report for PCT/US02/31112; December 2002; Applicant: Vertis Neuroscience, Inc. (7 pgs)			
		International Search Report for PCT/US02/31127; July 2003; Applicant: Vertis Neuroscience, Inc. (3 pgs)			
R.B.		International Search Report for PCT/US02/31128; September 2002; Applicant: Vertis Neuroscience, Inc. (6 pgs)			

Examiner Signature	R. Bradford	Date Considered	4/25/05
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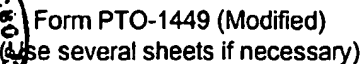
Substitute for form 1449A/B/PTO				Complete if Known	
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				First Named Inventor	Andrew D. Firlik
				Art Unit	3762
				Examiner Name	R. D. Bradford
Sheet	2	of	2	Attorney Docket Number	337348046US

<i>R.D.</i>		Written Opinion for PCT/US03/03678; December 2003; Applicant: Northstar Neuroscience, Inc. (4 pgs)	
		Written Opinion for PCT/US02/32695; June 2003; Applicant: Vertis Neuroscience, Inc. (2 pgs)	
		Written Opinion for PCT/US02/31127; May 2003; Applicant: Vertis Neuroscience, Inc. (2 pgs)	
		Written Opinion for PCT/US02/31112; August 2003; Applicant: Vertis Neuroscience, Inc. (5 pgs)	
<i>R.D.</i>		Written Opinion for PCT/US02/07077; July 2003; Applicant: Vertis Neuroscience, Inc. (4 pgs)	

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>R. Bradford</i>	Date Considered	4/29/05
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Application Number	10/606,202
Confirmation Number	4373
Filing Date	06/24/2003
First Named Inventor	Andrew D. Firtik
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	33734-8046US

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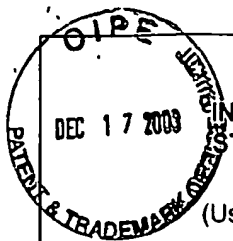
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T

DATE CONSIDERED

R. Scarborough

4/29/05

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Form PTO-1449 (Modified)
(Use several sheets if necessary)

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First Named Inventor	Andrew D. Firlik
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	33734-8046US

Sheet 1 of 10

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
R.B.		US2002/0028072		Kashiyama	03/07/02	
		US2002/0169485		Pless et al.	11/14/02	
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		3,650,276		Burghelle et al	03/21/72	
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L.B.		5,417,719		Hull et al.	05/23/95	

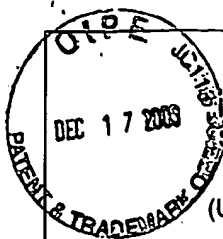
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R. B. Smith

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Attorney Docket No.	33734-8046US

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		NUMBER	Kind Code (if known)			
R.B.		5,423,864		Ljungstroem	06/13/95	
		5,537,512		Hsia et al.	07/16/96	
		5,540,736		Haimovish et al.	07/30/96	
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		5,683,422		Rise	11/04/97	
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		5,702,429		King	12/30/97	
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		5,792,186		Rise	08/11/98	
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R.B.		5,824,021		Rise	10/20/98	
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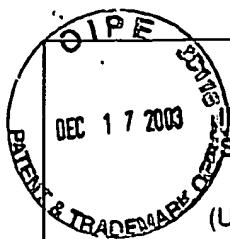
EXAMINER

R. Benshoff

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Examiner Name	Unknown
Attorney Docket No.	33734-8046US

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
R.B.		5,833,709		Rise et al.	11/10/98	
		5,843,148		Gijsbers et al.	12/01/98	
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		6,026,326		Bardy	02/15/00	
R.B.		6,042,579		Elsberry et al.	03/28/00	

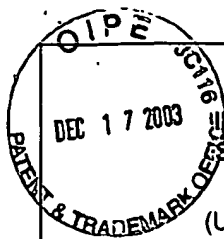
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R. B. Bardy

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				Application Number	10/606,202
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				Filing Date	June 24, 2003
				First Named Inventor	Andrew D. Firlík
				Group Art Unit	3762
				Examiner Name	Unknown
Sheet	4	of	10	Attorney Docket No.	33734-8046US

U.S. PATENT DOCUMENTS

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		NUMBER	Kind Code (if known)			
R.D.		6,052,624		Mann	04/18/00	
		6,057,847		Sever, Jr.	05/02/00	
		6,058,331		King	05/02/00	
		6,055,456		Gerber	04/25/00	
		6,060,048		Cherksey	05/09/00	
		6,061,593		Fischell et al.	05/09/00	
		6,066,163		John	05/23/00	
		6,104,956		Naritoku et al.	08/15/00	
		6,104,960		Duysens et al.	08/15/00	
		6,122,548		Starkebaum et al.	09/19/00	
		6,126,657		Edwards et al.	10/03/00	
		6,128,537		Rise	10/03/00	
		6,128,538		Fischell et al.	10/03/00	
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		6,161,044		Silverstone	12/12/00	
		6,161,045		Fischell et al.	12/12/00	
		6,353,754		Fischell et al.	03/05/02	
		6,354,299		Fischell et al.	03/12/02	
		6,360,122		Fischell et al.	03/19/02	
		6,427,086		Fischell et al.	07/30/02	
		6,459,936		Fischell et al.	10/01/02	
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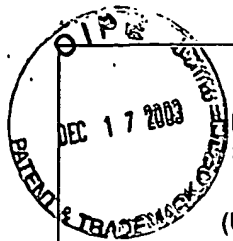
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R. D. [Signature]

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R.B.		6,473,639		Fischell et al.	10/29/02	
		6,480,743		Kirkpatrick et al.	11/12/02	
		60/325,872		Sheffield	09/28/01	
		60/325,978		Gliner	09/28/01	
		10/072,700		Firlík	02/07/02	
R.B.		09/978,134		Gliner	10/15/01	

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		Office	NUMBER	Kind Code (if known)				
R.B.		PCT	WO 98/06342		Neotonus, Inc.	02/19/98		
		PCT	WO 95/21591		University of Iowa Research Foundation	17/08/95		
		PCT	WO 01/97906		Advanced Bionics Corp	27/12/01		
		PCT	WO 94/07564		Cardiac Pacemakers, Inc.	14/04/94		
		PCT	WO 87/07511		Zion Educational Foundation	17/12/87		
R.B.		PCT	WO 02/09811		Neuropace, Inc.	07/02/02		

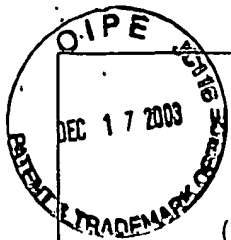
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R. B. Doolittle

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Sheet 6 of 10

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		Office	NUMBER	Kind Code (if known)				
R.B.		PCT	WO 02/36003		Neuropace, Inc.	10/05/02		
		PCT	WO 02/38031		Neuropace, Inc.	16/05/02		
		PCT	WO 02/38217		Neuropace, Inc.	16/05/02		
R.B.		EP	1145736		Neuropace, Inc.	17/10/01		

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
R.B.		SIEBNER et al., "Lasting cortical activation after repetitive TMS of the motor cortex," NEUROLOGY 54, pp. 956-963 (February 2000)	
		ZIEMANN et al., "Modulation of Plasticity in Human Motor Cortex after Forearm Ischemic Nerve Block," The Journal of Neuroscience, Vol. 18, No. 3, pp. 1115-1123 (February 1998)	
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		GORDON et al., "Parameters for direct cortical electrical stimulation in the human: histopathologic confirmation," Electroencephalography and clinical Neurophysiology, Vol. 75, pp. 371-377 (1990)	
R.B.		CRAMER, S.C. and BASTINGS, E.P., "Mapping clinically relevant plasticity after stroke," Neuropharmacology Vol. 19, No. 5, pp. 842-851 (April 2000)	

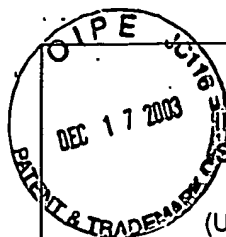
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Sheet	7	of	10
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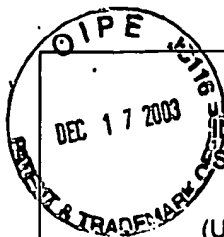
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L.R.		HODGE, JR., C.J. and BOAKYE, M., "Biological Plasticity: The Future of Science in Neurosurgery," Neurosurgery, Vol. 48, No. 1 (January 2001)	
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Form PTO-1449 (Modified)
(Use several sheets if necessary)

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Application Number	10/606,202
Confirmation Number	4373
Filing Date	June 24, 2003
First Named Inventor	Andrew D. Firlak
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	33734-8046US

Sheet 8 of 10

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
R.B.		SANES, J.N. and DONOGHUE, J.P., "Plasticity and Primary Motor Cortex," Annu. Rev. Neurosci. 23:393-415 (2000)	
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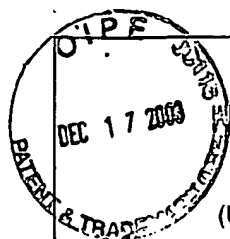
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L.B.		TURTON et al., "Contralateral and ipsilateral EMG responses to transcranial magnetic stimulation during recovery of arm and hand function after stroke," Electroencephalography and Clinical Neurophysiology 101 pp. 316-328 (1996)	
		BÜTEFISCH et al., "Mechanisms of use-dependent plasticity in the human motor cortex," Proc. Natl. Acad. Sci. USA, Vol. 97, No. 7, pp. 3661-3665 (March 2000)	
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R. Decker

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l.b.		GLADSTONE et al., "Enhancing Recovery after Stroke with Noradrenergic Pharmacotherapy: A New Frontier?," Can J. Neurol. Sci., Vol. 27, No. 2 (May 2000)	
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		CANAVERO, S. and PAOLOTTI, R., "Extradural Motor Cortex Stimulation for Advanced Parkinson's Disease: Case Report," <i>Movement Disorders</i> 15(1): 169-171, 2000	
		PCT International Search Report for Application No. PCT/US02/07077; Applicant: Vertis Neuroscience, Inc., October 22, 2002, 7 pgs.	
2.b.		PCT International Search Report, for Application No. PCT/US02/32695; Applicant: Vertis Neuroscience, Inc., December 27, 2002; 9 pgs.	

EXAMINER <i>R. Bradford</i>	DATE CONSIDERED <i>4/29/05</i>
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